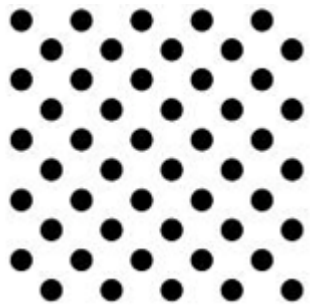# IoT and Big Data

IoT Week 2017
Geneva, June 7th, 2017

Moderation: Ana Garcia Robles (@RoblesAG)

@BDVA_PPP
#Bigdatavalue
#Bigdata
#IoTWeek2017
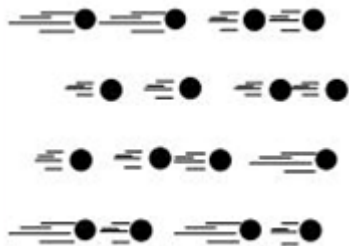
When is Data 'Big'?

Volume	Velocity	Variety	Veracity	Value
Data at Rest	**Data in Motion**	**Data in Many Forms**	**Data in Doubt**	**Data into Money**
Terabytes to exabytes of existing data to process	**Streaming data, requiring mseconds to respond**	**Structured, unstructured, text, multimedia,…**	**Uncertainty due to data inconsistency & incompleteness, ambiguities, latency, deception**	**Business models can be associated to the data**
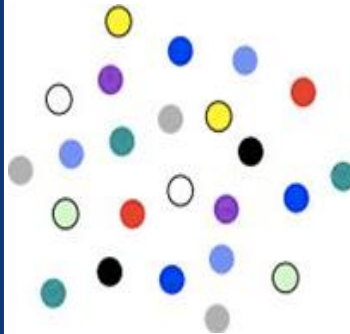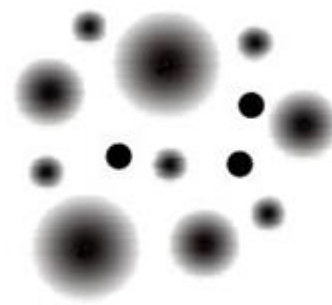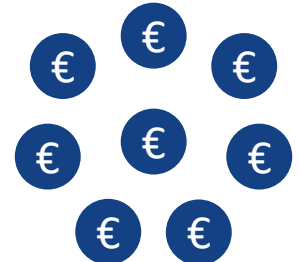
Adapted by a post of Michael Walker on 28 November 2012

BDV BIG DATA VALUE

BDVA SRIA
Strategic Research and Innovation Agenda

› The SRIA defines:
  • the overall goals,
  • **technical** and **non-technical priorities**, and
  • a **research** and **innovation roadmap**

  for the contractual Public Private Partnership (cPPP) on Big Data Value.

› The SRIA
  • explains the strategic importance of Big Data,
  • describes the Data Value Chain and the central role of Ecosystems,
  • details a vision for Big Data Value in Europe in 2020,
  • analyses the associated strengths, weaknesses, opportunities and threats, and
  • sets out the objectives and goals to be accomplished by the cPPP within the European research and innovation landscape of Horizon 2020 and at national and regional levels.

BDVA is taking care…
of many different aspects of the big data

TF1: Programme					
TF2: Impact					
TF3: Community					
IoT – Big Data					
TF4: Communication					

TF5: Policy & Societal

Policy & Societal

TF6: Technical

- TF6-SG1: Data Management
- TF6-SG2: Data Processing Architectures
- TF6-SG3: Data Analytics
- TF6-SG4: Data Protection and Pseudonymisation Mechanisms
- TF6-SG5: Advanced Visualisation and User Experience
- TF6-SG6: Standardisation

TF7: Application

- TF7-SG1: Emerging Application Areas
- TF7-SG2: Telecom
- TF7-SG3: Healthcare
- TF7-SG4: Media
- TF7-SG5: Earth observation & geospatial
- TF7-SG6: Smart Manufacturing Industry
- TF7-SG7: Mobility and Logistics
- TF7-SG8: Smart Cities

TF8: Business

- TF8-SG1: Data entrepreneurs (SMEs and startups)
- TF8-SG2: Transforming traditional business (Large Enterprise)
- TF8-SG3: Observatory on Data Business Models

TF9: Skills and Education

- TF9.SG1: Skill requirements from European industries
- TF9SG2: Analysis of current curricula related to data science
- TF9.SG3: Liaison with existing educational projects

Speakers

Thomas Hahn
Chief Software Expert Siemens
BDVA Vice-President

Peter Wittenburg
Max Planck Computing and Data Facility
RDA Director Europe

Martin Serrano
Insight Centre for Data Analytics
Principal Investigator & Data Scientist

BDV BIG DATA VALUE

Further Information:

BDVA: http://www.bdva.eu/
info@core.bdva.eu / Secretarygeneral@core.bdva.eu
@BDVA_PPP #Bigdatavalue #Bigdata

BDV BIG DATA VALUE